

Appln. S.N. 10/801,888
Amdt. dated June 2, 2006
Reply to Final Office Action of April 4, 2006
Docket No. GP-304637-OST-ALS

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In the claims:

1-23 (Cancelled)

24. (Currently Amended) A method for testing cellular network integrity using telematics, the method comprising:

- determining at least one network condition data at a telematics unit;
- initiating a data connection from the telematics unit to a call center using a cleared number;
- detecting a cleared number connection failure;
- determining a connection failure cause based on the cleared number connection ~~failure; failure,~~
- storing the connection failure cause at the telematics unit;
- generating a data upload failure record at the telematics unit, the data upload failure record including the network condition data, cleared number connection failure and connection failure cause;
- storing the data upload failure record at the telematics unit; and
- sending the stored data upload failure record to the call center.

25. (Previously Presented) The method of claim 24 wherein initiating the data connection comprises:

- determining the cleared number for a connection from a cleared number data record at the telematics unit;
- testing the cleared number for the connection;
- generating a cleared number test record at the telematics unit; and
- storing the cleared number test record at the telematics unit.

26. (Previously Presented) The method of claim 24 further comprising:

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receiving an SID at the telematics unit;
associating the received SID with a geographic area;
determining a GPS location;
comparing the determined GPS location with the geographic area associated with the SID;
determining a measured and stored GPS coordinate failure based on the comparison;
generating a measured and stored GPS coordinate record based on the determination; and
storing the measured and stored GPS coordinate record at the telematics unit.

27. (Previously Presented) The method of claim 24 wherein the data connection is initiated responsive to a trigger signal.

28. (Previously Presented) The method of claim 24 wherein the stored data upload failure record is sent to the call center call at a substantially regular interval.

29. (Currently Amended) The method of claim 24 wherein the stored data upload failure record is sent to the call center responsive to the telematics unit arriving at a predetermined test point.

30. (Cancelled)

31. (Currently Amended) A method of testing cellular network integrity using telematics, the method comprising:
receiving a data upload failure record including a connection failure cause at a call center, the call center configured to receive and service many calls at the same time via a

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wireless network, and the data upload failure record further including a geographic area associated with the data upload failure record;

sending the connection failure cause and geographic area to a wireless network;
and The method of claim 30 further comprising:

including a ~~cellular signal strength measurement and a measurement time and one~~
of a cellular signal strength measurement or a cellular traffic load measurement with sending the connection failure cause.

32. (Cancelled)

33. (Currently Amended) A computer usable medium storing a computer program including computer program code for testing cellular network integrity using telematics, comprising:

computer program code for determining at least one network condition data at a telematics unit;

computer program code for initiating a data connection from the telematics unit to a call center using a cleared number;

computer program code for detecting a cleared number connection failure;

computer program code for determining a connection failure cause based on the cleared number connection failure; failure,

computer program code for storing the connection failure cause at the telematics unit;

computer program code for generating a data upload failure record at the telematics unit, the data upload failure record including the network condition data, cleared number connection failure and connection failure cause;

computer program code for storing the data upload failure record at the telematics unit; and

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computer program code for sending the stored data upload failure record to the call center.

34. (Previously Presented) The computer usable medium of claim 33 wherein the computer program code for initiating the data connection comprises:

computer program code for determining the cleared number for a connection from a cleared number data record at the telematics unit;

computer program code for testing the cleared number for the connection;

computer program code for generating a cleared number test record at the telematics unit; and

computer program code for storing the cleared number test record at the telematics unit.

35. (Previously Presented) The computer usable medium of claim 33 further comprising:

computer program code for receiving an SID at the telematics unit;

computer program code for associating the received SID with a geographic area;

computer program code for determining a GPS location;

computer program code for comparing the determined GPS location with the geographic area associated with the SID;

computer program code for determining a measured and stored GPS coordinate failure based on the comparison;

computer program code for generating a measured and stored GPS coordinate record based on the determination; and

computer program code for storing the measured and stored GPS coordinate record at the telematics unit.

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36. (Previously Presented) The computer usable medium of claim 33 wherein the data connection is initiated in response to a trigger signal.

37. (Previously Presented) The computer usable medium of claim 33 wherein the stored data upload failure record is sent to the call center at a substantially regular interval.

38. (Previously Presented) The computer usable medium of claim 33 wherein the stored data upload failure record is sent to the call center call in response to the telematics unit arriving at a predetermined test point.

39. (Cancelled)

40. (Currently Amended) A computer usable medium storing a computer program including computer program code for testing cellular network integrity using telematics, comprising:

computer program code for receiving a data upload failure record including a connection failure cause at a call center, the call center configured to receive and service many calls at the same time via a wireless network, and the data upload failure record further including a geographic area;

computer program code for sending the connection failure cause and geographic area to a wireless network; and ~~The computer usable medium of claim 39 further comprising:~~

computer program code for including a cellular signal strength measurement and a measurement time and one of a cellular signal strength measurement or a cellular traffic load measurement with sending the connection failure cause.

41. (Cancelled)

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42. (Previously Presented) A system for testing cellular network integrity using telematics, the system comprising:

- means for determining at least one network condition data at a telematics unit;
- means for initiating a data connection from the telematics unit to a call center using a cleared number;
- means for detecting a cleared number connection failure;
- means for determining a connection failure cause, and wherein the connection failure cause is stored in a data upload failure record;
- means for generating the data upload failure record at the telematics unit wherein the data upload failure record includes the network condition data;
- means for storing the data upload failure record at the telematics unit; and
- means for sending the stated data upload failure record to the call center.